

CLAIMS

What is claimed is:

1. An aquaculture comprising:
 - a liner material including at least one ethylene-propylene-diene terpolymer (EPDM), wherein said EPDM liner material is cured by utilizing a curing agent and at least one thiazole accelerator and at least one accelerator selected from the group consisting of dithiocarbamate accelerators and guanidine accelerators, and is devoid of thiuram accelerators;
 - water contacting said liner material; and
 - aquatic animals in said water, wherein a majority of the animals remain viable in said water for at least 7 days.
2. An aquaculture, as set forth in claim 1, wherein at least one of ammonia oxidizing bacteria and nitrite oxidizing bacteria are contacted with said water, and wherein said bacteria are biologically active in the water.
3. An aquaculture, as set forth in claim 1, wherein said ethylene-propylene-diene terpolymer is amorphous having less than 1 percent crystallinity.
4. An aquaculture, as set forth in claim 1, wherein said liner material further includes at least one filler selected from the group consisting of carbon black, ground coal, calcium carbonate, clay, silica, mica, talc and cryogenically ground rubber.
5. An aquaculture, as set forth in claim 4, wherein said filler includes at least one carbon black.
6. An aquaculture, as set forth in claim 1, wherein said liner material further includes at least one processing oil selected from the group consisting of paraffinic oils, naphthenic oils and mixtures thereof.

7. An aquaculture, as set forth in claim 1, wherein said curing agent is sulfur.
8. An aquaculture, as set forth in claim 1, wherein said water is salt water.
9. An aquaculture, as set forth in claim 1, wherein said aquatic animals are selected from the group consisting of shrimp and crayfish.
10. A method for growing aquatic animals, the method comprising:
 - at least partially lining an area with an aquaculture liner to provide a lined reservoir, wherein said aquaculture liner comprises at least one ethylene-propylene-diene terpolymer (EPDM), and wherein said EPDM aquaculture liner is cured by utilizing a curing agent and at least one thiazole accelerator and at least one accelerator selected from the group consisting of dithiocarbamate accelerators and guanidine accelerators, and is devoid of thiuram accelerators; and
 - placing water in the lined container; and
 - placing aquatic animals in the water.
11. A method for growing aquatic animals, as set forth in claim 10, wherein the water is salt water.
12. A method for growing aquatic animals, as set forth in claim 10, wherein said aquatic animals are selected from the group consisting of shrimp or crayfish.
13. A method for growing aquatic animals, as set forth in claim 10, the method further comprising the step of contacting the water with at least one of the group consisting of ammonia oxidizing bacteria and nitrite oxidizing bacteria, wherein said bacteria are biologically active in the water.
14. A method for growing aquatic animals, as set forth in claim 10, wherein said ethylene-propylene-diene terpolymer is amorphous having less than 1 percent

crystallinity.

15. A method for growing aquatic animals, as set forth in claim 10, wherein said aquaculture liner further comprises at least one filler selected from the group consisting of carbon black, ground coal, calcium carbonate, clay, silica, mica, talc and cryogenically ground rubber.
16. A method for growing aquatic animals, as set forth in claim 10, wherein said curing agent is sulfur.
17. A method for growing aquatic animals, as set forth in claim 10, wherein said aquaculture liner further comprises at least one processing oil selected from the group consisting of paraffinic oils, naphthenic oils and mixtures thereof.
18. An aquaculture reservoir comprising:
 - a liner material including at least one ethylene-propylene-diene terpolymer (EPDM), wherein said EPDM liner material is cured by utilizing a curing agent and at least one thiazole accelerator and at least one accelerator selected from the group consisting of dithiocarbamate accelerators and guanidine accelerators, and is devoid of thiuram accelerators; and
 - water contained by said liner material.
19. An aquaculture reservoir, as set forth in claim 18, wherein said water is salt water.
20. An aquaculture reservoir, as set forth in claim 18, wherein the reservoir is open to the atmosphere.
21. An aquaculture reservoir, as set forth in claim 18, wherein said ethylene-propylene-diene terpolymer is amorphous having less than 1 percent crystallinity.

22. An aquaculture reservoir, as set forth in claim 18, wherein said liner material further includes at least one filler selected from the group consisting of carbon black, ground coal, calcium carbonate, clay, silica, mica, talc and cryogenically ground rubber.
23. An aquaculture reservoir, as set forth in claim 18, wherein said liner material further includes at least one processing oil selected from the group consisting of paraffinic oils, naphthenic oils and mixtures thereof.
24. An aquaculture reservoir, as set forth in claim 18, wherein said curing agent is sulfur.
25. An aquaculture liner comprising:
 - at least one amorphous ethylene-propylene-diene terpolymer (EPDM) having less than 1 percent crystallinity, wherein said EPDM liner material is cured by utilizing a curing agent and at least one thiazole accelerator and at least one accelerator selected from the group consisting of dithiocarbamate accelerators and guanidine accelerators, and is devoid of thiuram accelerators.
26. An aquaculture liner, as set forth in claim 25, wherein said liner further includes at least one filler selected from the group consisting of carbon black, ground coal, calcium carbonate, clay, silica, mica, talc and cryogenically ground rubber.
27. An aquaculture liner, as set forth in claim 25, wherein said liner further includes at least one processing oil selected from the group consisting of paraffinic oils, naphthenic oils and mixtures thereof.
28. An aquaculture liner, as set forth in claim 25, wherein said curing agent is sulfur.